

(FILE 'USPAT' ENTERED AT 10:35:49 ON 13 AUG 1999)

L1 0 S 175/58,20  
L2 0 S 175/58  
L3 342 S 175/58,20/CCLS  
L4 56266 S SOIL  
L5 167405 S METHANOL  
L6 12403 S L4 AND L5  
L7 0 S L3 AND L6  
L8 1 S L3 AND L5  
L9 0 S 73/864.44,864.45,863.21  
L10 433 S 73/864.44,864.45,863.21/CCLS

=> s l6 and l10

L11 2 L6 AND L10

=> d ti l11

US PAT NO: 5,574,230 [IMAGE AVAILABLE] L11: 1 of 2  
TITLE: Silica gel, Tenax, and carbon media adsorption tube for  
the sampling of a wide variety of organic compounds in  
air and gas streams

=> d ti l11 1-

US PAT NO: 5,574,230 [IMAGE AVAILABLE] L11: 1 of 2  
TITLE: Silica gel, Tenax, and carbon media adsorption tube for  
the sampling of a wide variety of organic compounds in  
air and gas streams

US PAT NO: 5,038,624 [IMAGE AVAILABLE] L11: 2 of 2  
TITLE: \*\*Soil\*\* recoring device

=> d l11 kwic

US PAT NO: 5,574,230 [IMAGE AVAILABLE] L11: 1 of 2  
US-CL-CURRENT: 73/863.23, \*\*863.21\*\*

SUMMARY:

BSUM(2)

The . . . air sampling tubes, each with their own advantages  
.sup.1,2,3,4. When used in combination sample collection of widely  
differing compounds from \*\*methanol\*\* to petroleum naphtha is possible  
with a single sample tube and one subsequent analysis, eliminating  
possibly two additional sample collections. . . wide variety of  
applications, including for example, indoor air quality sampling,  
industrial hygiene sampling, industrial process sampling, stack emission  
sampling, \*\*soil\*\* gas sampling, clean air act monitoring, personnel  
monitoring, emissions sampling, ambient air sampling, pollution control  
monitoring, environmental sampling, and exhaust. . .

=> d l11 kwic 2

US PAT NO: 5,038,624 [IMAGE AVAILABLE] L11: 2 of 2  
TITLE: \*\*Soil\*\* recoring device  
US-CL-CURRENT: \*\*73/864.44\*\*, 863

ABSTRACT:

A device for recoring \*\*soil\*\* samples composed of a device for advancing a \*\*soil\*\* sample, a \*\*soil\*\* sample assembly, a cutting tube and a chamber for receiving the \*\*soil\*\* sample as it exits the cutting tube. The cutting tube has a diameter which is smaller than that of the original \*\*soil\*\* sample which is to be recored.

SUMMARY:

DETDESC:

DETD(17)

A . . . each sample section was removed and placed into a one liter Erlenmeyer flask. 150 ml of 0.001 N NaOH in \*\*methanol\*\* was added to the sample and the mixture was stirred vigorously for 2-3 minutes. The solid material present in the . . . flask was separated from the liquid by suction filtration and then washed with 10 ml of 0.001 N NaOH in \*\*methanol\*\*. The NaOH/\*\*methanol\*\* wash was added to the filtrate. The solid was then washed twice with 150 ml aliquots of 0.001 N NaOH in \*\*methanol\*\*. The NaOH/\*\*methanol\*\* wash was then added to the filtrate. The filtrate was then diluted with 0.001 N NaOH in \*\*methanol\*\* to a volume of 500 ml and stirred. A sample was then analyzed spectrophotometrically using a linear absorbance spectrophotometer (Perkin-Elmer. . .